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25X1

FY-69 Quarterly Report No. 4

DDR-Dupe

PAR 249

31 May 69

SUBJECT: [ ] Precision Enlarger (BPE) Prototype Operational  
Improvements and Maintenance

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## TASK/PROBLEM

1. Provide photographic enlarger maintenance at the customer's facility for one [ ] Precision Enlarger (BPE) and three\* 10-20-40X Enlargers.

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## DISCUSSION

2. Contractor personnel visited the customer's facility on three occasions during the quarter and performed maintenance described below.

a. In the week beginning 10 March 1969 (as reported in the March 1969 Monthly Report):

(1) Monthly preventive maintenance (PM) was performed on the BPE in accordance with the prescribed check list.

(2) A "D" lens that had been repaired by the contractor was delivered to the customer's facility, installed, and checked out to the customer's satisfaction.

(3) A 0.5-amp fuse was replaced in the BPE Decitrak unit, and two burned-out Decitrak lamps were also replaced on the BPE readout display.

(4) Although not included in the March 69 report, the following effort was also undertaken:

(a) A malfunctioning pressure roller on Niagara Printer S/N 201 was repaired.

\* Although the Task/Problem specifies preventive maintenance on three 10-20-40X Enlargers, the contractor regularly services four enlargers on the basis of verbal request. The customer has stated that he does not consider it necessary to revise the wording of PAR 249 at this time.

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(b) The film plane glass on the 10X objective lens on 10-20-40X Enlarger S/N 101 was replaced; in addition, a malfunctioning "X" counter was examined on this enlarger. The customer has ordered a new counter for installation in the future.

b. In the week beginning 14 April 1969 (as reported in the April 1969 Monthly Report):

(1) The four 10-20-40X Enlargers received regular two-month PM in accordance with the prescribed check list. In addition, the "Y" counter on S/N 119 was adjusted for proper operation, and the film plane glass on a S/N 113 condenser lens was replaced. The "X" counter on S/N 101 is still malfunctioning as reported previously. An order was placed for a new counter and the customer is awaiting delivery from the vendor.

(2) Six-month PM was performed on the BPE (Prototype) S/N 001 and it included photographic checkout of all lens assemblies. The "H" lens showed a possible focus shift with a discrepancy of 5 digits from focus. Six readout display lamps were replaced in the Decitrak unit on this enlarger. Although not included in the report for April, two broken ground wires in the Decitrak readout display were also repaired.

c. In the week beginning 5 May 1969, the following action was taken:

(1) Monthly PM was performed on BPE (Prototype) S/N 001 in accordance with the prescribed check list; it was completed without incident.

(2) A spare "H" lens on the BPE was calibrated for interim use while the contractor makes a factory analysis of a previously reported erratic focus shift in the "H" lens normally used on this enlarger. The customer agreed that the contractor should analyze and evaluate the reason for the focus shift.

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PLANNED ACTIVITY

3. Perform monthly preventive maintenance (PM) on the BPE and two-month PM on four 10-20-40X Enlargers during the week beginning 9 June 69.
4. Continue testing and analysis of the "H" lens focus problem.

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